

Quest PowerHeat CHH300 Pro



Central Hydronic Heater System

The Quest PowerHeat CHH300 Pro features:

The CSA/UL certified Quest PowerHeat CHH300 Pro Central Hydronic Heater is designed to operate on multiple fuel sources. The burner utilizes proprietary technology to ensure smooth, clean, cold-weather ignition and steady burn efficiency. Quest CHH300 Pros are tri-fuel and a burner change is all that is required to convert from one fuel type to the other. All exposed components on CHH300 Pros are made of non-corrosive stainless steel and aluminum - no expensive refurbishment required. Unlike competitive units, the Quest combustion chamber is 100% stainless steel, making it corrosion-free as well, even when running in low temp applications such as concrete curing.

The CHH300 Pro incorporates an open, atmospherically-vented expansion tank, which not only makes it safer to operate, but effectively eliminates the system from Pressure Vessel classification - there is no need for a pressurized boiler permit. The Quest

CHH300 Pro system uses only 20 gallons of glycol. As a result, the unit will heat up faster, with less energy, and better utilize its powerful 308,000 BTUs. The 1HP stainless steel centrifugal pump is contaminant-free, keeping the glycol clean and safe to use on every job. Control Mother Nature even in the harshest of elements with the only fully NEMA rated electrical package included on every Quest Central Hydronic Heater.

For easy diagnostics, all CHH300 Pro gauges and indicators are clearly visible even when the unit is securely locked down. In addition to the standard temperature, pressure, fuel level, and heat transfer fluid (HTF) level gauges, the CHH300 control system includes a sequence of status indicator lights which provide a quick function check and easy troubleshooting. Finally the lifting hook on the CHH300 Pro and Quest PowerHeat Exchangers allow the ultimate in flexibility in placing equipment on the job site.

Features:

- Powerful 308K Diesel/Propane/Natural Gas Heating Module
- Modular Design - Central to our Modular System
- 24/7/365 Technical Support
- Stainless Steel Construction



Engineered Excellence for
Construction Professionals



Specifications subject to change without notice. 09/11



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CHH 300 Specifications	Diesel	Propane	Natural Gas
Part Number	4031110	4031310	4031510
Heat Input	308,000	250,000	300,000
Heat Output	261,000	200,000	240,000
Efficiency	85%	80%	80%
Fuel Input Rate @ Full Load	2.2 GPH	N/A	N/A
Run Time @ Full Load	50 Hours	N/A	N/A
Electrical Requirements	2 amps, 110V	2 amps, 110V	2 amps, 110V
Heat Transfer Fluid	Propylene Glycol	Propylene Glycol	Propylene Glycol
Operating Range	-30 to 140	-30 to 140	-30 to 140
Fluid Temp Range	100-200	100-200	100-200
Pump	1 HP	1 HP	1 HP
Hydronic Flow Rate	30 GPM/1.89 liters per sec	30 GPM/1.89 liters per sec	30 GPM/1.89 liters per sec
Hydronic Connection	1"	1"	1"
Dimensions w/Fuel Tank	72x31x48	72x22x48	72x22x48
Weight	800 lbs	600 lbs	600 lbs
Weight w/Full Fuel Tank	1700 lbs	N/A	N/A
Heat	Up to 440,000 cubic ft	Up to 440,000 cubic ft	Up to 440,000 cubic ft
Thaw	6,000 sq ft	6,000 sq ft	6,000 sq ft
Cure	9,000 sq ft	9,000 sq ft	9,000 sq ft
Frost Prevention	6,000 sq ft	6,000 sq ft	6,000 sq ft

Quest Accessories

- 4029410 Quest HFC 80
- 4029425 Quest HFC 200
- 4030599 Quest HHR 3000 W/3000 ft. of Hose



Quest HFC 80
Hydronic Fan Coil



Quest HFC 200
Hydronic Fan Coil



Quest HHR 3000
Hydronic Hose Reel
(HOSE NOT PICTURED)



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